



Tennessee Valley Authority, Post Office Box 2000, Spring City, Tennessee 37381

AUG 24 1992

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555

Gentlemen:

In the Matter of the Application of)	Docket Nos. 50-390
Tennessee Valley Authority)	50-391

WATTS BAR NUCLEAR PLANT (WBN) - PROPOSED CHANGES TO FINAL SAFETY ANALYSIS REPORT (FSAR) FOR VANTAGE 5H FUEL ASSEMBLY RECAGING MODIFICATIONS (TAC 81887)

TVA provided notification of its plan to modify the structural skeletons of WBN's reactor fuel assemblies in a letter dated October 10, 1991. These "recaging" modifications would upgrade the fuel assemblies by incorporating the improved mechanical features of Westinghouse Electric Corporation's VANTAGE 5H fuel design. Modifications have been completed at the Westinghouse Fuel Fabrication Facility in Columbia, South Carolina, for 36 fuel assemblies. These assemblies have been returned to WBN. Modifications are currently in progress at Columbia for an additional 71 fuel assemblies. The remaining 86 fuel assemblies for WBN Unit 1 are scheduled to be modified at Columbia within the next year.

Proposed FSAR page markups for Chapters 4 and 15 reflecting the fuel assembly recaging modifications are enclosed with this letter for NRC staff review. TVA plans to incorporate the changes formally in a future FSAR amendment after receiving NRC concurrence.

Note that some of the enclosed FSAR markups are not directly related to fuel assembly recaging. They are included for a more consistent and comprehensive presentation of information. For instance, some markups are changes that are planned to be included as part of FSAR Amendment 71 and will affect the same text sections as the recaging modifications. Amendment 71 was being prepared concurrently with the markups for VANTAGE 5H fuel assembly recaging, but had not yet been finalized and submitted for NRC staff review. Also, some of the accident analysis markups in Chapter 15 reflect both the fuel assembly

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recaging modifications and the upgrade of WBN's process protection system to incorporate Westinghouse Eagle-21 digital electronics. For expediency, both of these design changes were addressed in revised accident analyses at the same time.

If you have any questions, please telephone John Vorees at (615) 365-8819.

Sincerely,



William J. Museler

Enclosure

cc (Enclosure):

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GLP:JV:NCH:CR

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